



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 11201859
SAU: Old Town School Department
School: Old Town Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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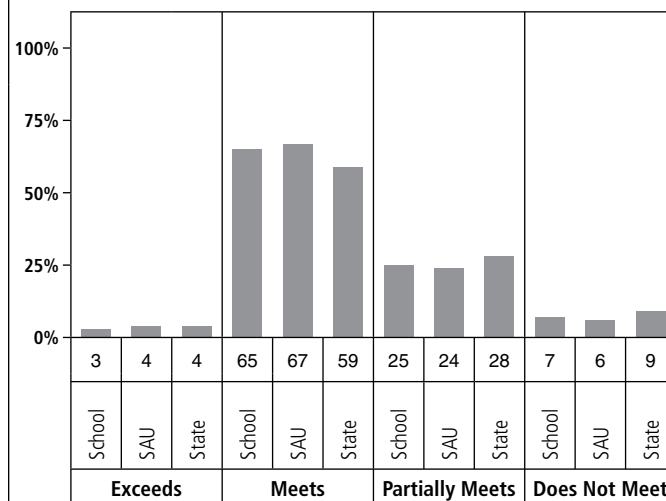
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: Old Town School Department
School: Old Town Elementary School

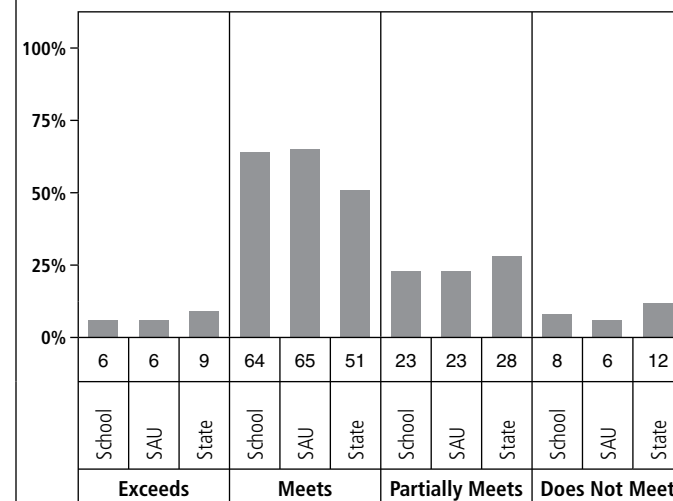
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	447	447	444
2006–2007	445	445	445
2007–2008	446	446	445
Cum. Avg. *	446	446	445
Mathematics			
2005–2006	451	451	444
2006–2007	445	445	445
2007–2008	447	448	445
Cum. Avg. *	448	448	445
Science & Technology			
2005–2006	445	445	444
2006–2007	443	443	444
2007–2008	444	445	444
Cum. Avg. *	444	444	444

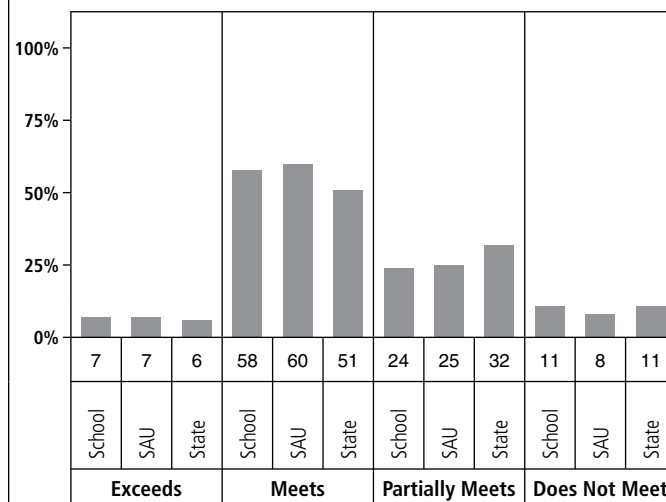
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: Old Town School Department
 School: Old Town Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	88	100	84	100	14207	100	88	100	84	100	14181	100	88	100	84	100	14123	100	88	100	84	100	14115	99						
Ethnicity African American/Black	2	2	2	2	390	3	2	100	2	100	388	99	2	100	2	100	388	99	2	100	2	100	386	99						
American Indian or Native Alaskan	1	1	1	1	101	1	1	100	1	100	101	100	1	100	1	100	101	100	1	100	1	100	101	100						
Asian or Pacific Islander	2	2	2	2	263	2	2	100	2	100	259	98	2	100	2	100	262	100	2	100	2	100	262	100						
Hispanic	0	0	0	0	170	1	0	0	0	0	168	99	0	0	0	0	166	98	0	0	0	0	166	98						
Caucasian/White	83	94	79	94	13282	93	83	100	79	100	13264	100	83	100	79	100	13205	100	83	100	79	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	13	15	13	15	2524	18	13	100	13	100	2514	100	13	100	13	100	2498	99	13	100	13	100	2494	99						
Current LEP	1	1	1	1	385	3	1	100	1	100	377	98	1	100	1	100	383	99	1	100	1	100	380	99						
Economically disadvantaged	39	44	37	44	5587	39	39	100	37	100	5569	100	39	100	37	100	5538	99	39	100	37	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	57	65	55	65	10755	76	57	65	55	65	10730	76	57	65	55	65	10776	76						
Identified disability (PET/IEP)	0	0	0	0	375	3	0	0	0	0	374	3	0	0	0	0	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	31	35	29	35	3298	23	31	35	29	35	3267	23	31	35	29	35	3215	23						
Identified disability (PET/IEP)	13	42	13	45	2013	61	13	42	13	45	1998	61	13	42	13	45	1986	62						
LEP	1	3	1	3	225	7	1	3	1	3	233	7	1	3	1	3	229	7						
504 plan	0	0	0	0	69	2	0	0	0	0	68	2	0	0	0	0	67	2						
Other	17	55	15	52	1046	32	17	55	15	52	1023	31	17	55	15	52	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: Old Town School Department
School: Old Town Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	5	7	5	7	601	4
	2006-2007	1	2	1	2	507	4
	2007-2008	3	3	3	4	559	4
	Cum. Total*	9	4	9	4	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	43	59	41	59	7910	57
	2006-2007	42	69	38	68	8749	63
	2007-2008	57	65	56	67	8308	59
	Cum. Total*	142	64	135	64	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	23	32	22	31	3970	29
	2006-2007	15	25	15	27	3467	25
	2007-2008	22	25	20	24	3922	28
	Cum. Total*	60	27	57	27	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	2	3	2	3	1421	10
	2006-2007	3	5	2	4	1165	8
	2007-2008	6	7	5	6	1264	9
	Cum. Total*	11	5	9	4	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	30.6	63.8	31.0	64.6	29.7	61.9
Literary Text	24	50	16.0	66.7	16.2	67.5	15.5	64.6
Informational Text	24	50	14.6	60.8	14.8	61.7	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Old Town School Department
 School: Old Town Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	88	3	3	57	65	22	25	6	7	446	84	4	67	24	6	446	14053	4	59	28	9	445
Ethnicity																						
African American/Black	2										2						384	1	36	35	28	438
American Indian or Native Alaskan	1										1						101	1	46	44	10	442
Asian or Pacific Islander	2										2						259	6	61	22	11	445
Hispanic	0										0						164	0	45	38	16	440
Caucasian/White	83	3	4	55	66	20	24	5	6	446	79	4	68	23	5	447	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	13	0	0	5	38	5	38	3	23	439	13	0	38	38	23	439	2388	0	29	44	26	437
No	75	3	4	52	69	17	23	3	4	447	71	4	72	21	3	448	11665	5	65	25	6	446
Current LEP																						
Yes	1										1						373	1	32	35	32	436
No	87	3	3	57	66	21	24	6	7	446	83	4	67	23	6	447	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	39	2	5	19	49	15	38	3	8	444	37	5	51	38	5	445	5502	1	47	37	14	441
No	49	1	2	38	78	7	14	3	6	447	47	2	79	13	6	448	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	88	3	3	57	65	22	25	6	7	446	84	4	67	24	6	446	14048	4	59	28	9	445
Gender																						
Female	40	2	5	29	73	7	18	2	5	448	38	5	74	16	5	449	6959	5	61	26	8	446
Male	48	1	2	28	58	15	31	4	8	444	46	2	61	30	7	444	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	16	0	0	10	63	4	25	2	13	443	14	0	71	21	7	444	1890	0	37	46	17	439
No	72	3	4	47	65	18	25	4	6	447	70	4	66	24	6	447	12163	5	63	25	8	446
Gifted/talented program																						
Yes	1										1						266	21	74	4	0	456
No	87	2	2	57	66	22	25	6	7	446	83	2	67	24	6	446	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Old Town School Department
 School: Old Town Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	1	42	36	21	440
B. less than one hour	89	3	4	47	66	16	23	5	7	447	89	4	69	21	6	447	74	4	62	27	7	445
C. one to two hours	11	0	0	6	67	2	22	1	11	443	11	0	63	25	13	443	18	5	59	29	7	446
D. more than two hours	0										0						2	3	32	34	31	438
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	36	2	7	20	71	4	14	2	7	448	38	7	71	14	7	448	30	6	63	24	7	446
B. They match some of what I have learned.	55	1	2	28	65	11	26	3	7	445	53	3	69	23	5	446	52	4	63	27	6	446
C. They match just a little of what I have learned.	9	0	0	3	43	3	43	1	14	443	9	0	43	43	14	443	12	2	46	37	15	441
D. There is no match.	0										0						5	0	33	40	26	437
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	26	2	10	12	60	5	25	1	5	450	27	10	60	25	5	450	35	7	66	20	6	448
B. good	55	1	2	30	70	8	19	4	9	446	55	2	73	17	7	446	51	3	60	29	7	445
C. fair	18	0	0	9	64	4	29	1	7	444	18	0	69	23	8	445	12	1	44	40	16	440
D. poor	1	0	0	1	100	0	0	0	0	442	0						2	0	23	47	30	436
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	31	0	0	12	52	6	26	5	22	441	29	0	52	24	24	442	19	2	46	34	17	442
B. about the same as my regular schoolwork	60	2	4	34	76	9	20	0	0	449	61	5	77	18	0	449	62	5	64	26	5	446
C. easier than my regular schoolwork	9	1	14	4	57	2	29	0	0	449	10	14	57	29	0	449	18	3	58	29	10	444
How hard were the reading passages on this test?																						
A. Most of the passages were more difficult than what I usually read.	12	0	0	2	22	4	44	3	33	438	12	0	22	44	33	438	14	0	32	46	22	438
B. Most of the passages were about the same as what I usually read.	57	1	2	28	65	12	28	2	5	445	56	2	66	27	5	445	52	3	62	28	7	445
C. Most of the passages were easier than what I usually read.	32	2	8	21	88	1	4	0	0	453	32	9	91	0	0	454	33	7	68	20	5	448
How much time do you spend reading at home each day?																						
A. more than one hour	18	2	14	9	64	2	14	1	7	450	18	15	69	8	8	452	18	7	64	22	7	447
B. 20 minutes to an hour	52	1	3	24	60	12	30	3	8	445	52	3	61	32	5	445	55	4	64	26	6	446
C. less than 20 minutes	21	0	0	13	81	2	13	1	6	447	21	0	87	7	7	447	14	2	53	33	12	443
D. I rarely read at home.	9	0	0	5	71	1	14	1	14	444	10	0	71	14	14	444	13	1	44	39	16	441
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	16	0	0	8	67	4	33	0	0	445	17	0	67	33	0	445	23	3	50	34	13	442
B. six to ten pages	28	0	0	15	71	3	14	3	14	445	27	0	79	5	16	445	25	3	60	29	8	444
C. eleven or more pages	56	3	7	28	67	8	19	3	7	448	56	8	68	20	5	448	52	5	64	24	6	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: Old Town School Department
School: Old Town Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	15	20	14	20	1294	9
	2006-2007	2	3	2	4	1054	8
	2007-2008	5	6	5	6	1321	9
	Cum. Total*	22	10	21	10	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	39	53	37	52	7000	50
	2006-2007	42	69	38	68	7394	53
	2007-2008	56	64	55	65	7079	51
	Cum. Total*	137	61	130	62	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	18	24	18	25	3784	27
	2006-2007	10	16	10	18	3729	27
	2007-2008	20	23	19	23	3955	28
	Cum. Total*	48	22	47	22	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	2	3	2	3	1894	14
	2006-2007	7	11	6	11	1735	12
	2007-2008	7	8	5	6	1642	12
	Cum. Total*	16	7	13	6	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	9.8	65.3	10.0	66.7	9.5	63.3
Cluster 2: Shape and Size	14	29	9.7	69.3	9.8	70.0	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.6	72.0	3.7	74.0	3.4	68.0
Cluster 4: Patterns	14	29	10.1	72.1	10.2	72.9	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Old Town School Department
 School: Old Town Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	88	5	6	56	64	20	23	7	8	447	84	6	65	23	6	448	13997	9	51	28	12	445
Ethnicity																						
African American/Black	2										2						386	4	26	34	36	434
American Indian or Native Alaskan	1										1						101	3	46	41	11	442
Asian or Pacific Islander	2										2						262	14	51	23	12	447
Hispanic	0										0						162	4	41	34	21	440
Caucasian/White	83	5	6	53	64	19	23	6	7	448	79	6	66	23	5	448	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	13	0	0	8	62	3	23	2	15	443	13	0	62	23	15	443	2372	3	31	36	30	436
No	75	5	7	48	64	17	23	5	7	448	71	7	66	23	4	449	11625	11	54	27	8	447
Current LEP																						
Yes	1										1						381	4	33	28	35	435
No	87	5	6	56	64	20	23	6	7	447	83	6	66	23	5	448	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	39	1	3	23	59	8	21	7	18	445	37	3	62	22	14	446	5472	5	41	35	19	440
No	49	4	8	33	67	12	24	0	0	449	47	9	68	23	0	450	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	88	5	6	56	64	20	23	7	8	447	84	6	65	23	6	448	13992	9	51	28	12	445
Gender																						
Female	40	2	5	25	63	10	25	3	8	447	38	5	63	24	8	448	6933	9	50	29	12	445
Male	48	3	6	31	65	10	21	4	8	447	46	7	67	22	4	448	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	16	0	0	8	50	6	38	2	13	444	14	0	50	43	7	445	1890	2	34	41	23	438
No	72	5	7	48	67	14	19	5	7	448	70	7	69	19	6	449	12107	11	53	26	10	446
Gifted/talented program																						
Yes	1										1						266	45	49	5	0	461
No	87	4	5	56	64	20	23	7	8	447	83	5	66	23	6	448	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Old Town School Department
 School: Old Town Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	6	34	33	27	438
B. less than one hour	89	5	7	47	66	14	20	5	7	448	89	7	68	21	4	449	74	10	52	28	10	446
C. one to two hours	11	0	0	7	78	1	11	1	11	446	11	0	88	0	13	448	18	10	52	28	10	446
D. more than two hours	0										0						2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	48	3	8	30	79	3	8	2	5	452	49	8	81	8	3	452	38	13	56	23	8	448
B. They match some of what I have learned.	42	2	6	21	64	9	27	1	3	448	44	6	64	27	3	448	48	8	52	29	10	445
C. They match just a little of what I have learned.	5	0	0	1	25	1	25	2	50	432	4	0	0	33	67	427	10	4	35	39	22	439
D. There is no match.	5	0	0	1	25	2	50	1	25	436	3	0	50	50	0	443	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	49	4	11	23	61	9	24	2	5	449	50	11	62	22	5	450	35	16	55	20	8	449
B. good	46	1	3	27	75	5	14	3	8	448	46	3	76	15	6	448	48	7	52	31	11	445
C. fair	5	0	0	2	50	1	25	1	25	439	4	0	67	33	0	443	14	3	41	38	18	440
D. poor	0										0						3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	17	0	0	7	54	3	23	3	23	441	16	0	58	25	17	442	15	4	38	33	25	439
B. about the same as my regular schoolwork	67	4	8	37	71	9	17	2	4	450	70	8	71	17	4	450	64	10	54	28	9	446
C. easier than my regular schoolwork	17	1	8	8	62	3	23	1	8	447	14	10	70	20	0	451	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	32	1	4	15	60	6	24	3	12	446	32	4	63	21	13	446	23	8	47	29	16	443
B. two or three days a week	45	2	6	26	74	6	17	1	3	449	46	6	76	18	0	450	36	11	54	27	9	447
C. two or three times each month	15	2	17	6	50	2	17	2	17	448	14	20	50	20	10	451	25	10	53	27	10	446
D. never or almost never	8	0	0	5	83	1	17	0	0	448	8	0	83	17	0	448	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	1	0	0	0	0	0	0	1	100	426	0						5	3	30	33	33	436
B. two or three days a week	27	4	19	11	52	5	24	1	5	450	28	19	52	24	5	450	19	8	50	30	12	445
C. two or three times each month	51	1	3	28	70	9	23	2	5	449	54	3	70	23	5	449	38	11	55	26	8	447
D. never or almost never	21	0	0	13	81	1	6	2	13	445	18	0	92	0	8	448	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	3	0	0	2	100	0	0	0	0	457	3	0	100	0	0	457	8	3	33	38	25	438
B. 30–45 minutes	31	2	8	16	67	3	13	3	13	447	31	9	65	13	13	447	27	6	48	33	13	443
C. 45–60 minutes	28	2	9	14	64	4	18	2	9	448	26	11	74	16	0	451	38	11	54	26	9	447
D. more than 60 minutes	38	1	3	20	67	8	27	1	3	449	41	3	67	27	3	449	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: Old Town School Department
School: Old Town Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	3	4	3	4	751	5
	2006-2007	3	5	2	4	963	7
	2007-2008	6	7	6	7	882	6
	Cum. Total*	12	5	11	5	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	44	58	42	58	7251	52
	2006-2007	29	48	26	46	6824	49
	2007-2008	51	58	50	60	7130	51
	Cum. Total*	124	55	118	55	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	29	38	28	38	4514	32
	2006-2007	20	33	20	36	4382	32
	2007-2008	21	24	21	25	4433	32
	Cum. Total*	70	31	69	32	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	0	0	0	0	1458	10
	2006-2007	9	15	8	14	1735	12
	2007-2008	10	11	7	8	1546	11
	Cum. Total*	19	8	15	7	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	8.4	70.0	8.5	70.8	8.0	66.7
Cluster 2: Physical Sciences	12	25	7.1	59.2	7.2	60.0	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	7.3	60.8	7.4	61.7	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.9	65.8	8.0	66.7	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Old Town School Department
 School: Old Town Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	88	6	7	51	58	21	24	10	11	444	84	7	60	25	8	445	13991	6	51	32	11	444
Ethnicity																						
African American/Black	2										2						385	2	27	35	36	434
American Indian or Native Alaskan	1										1						101	3	44	44	10	441
Asian or Pacific Islander	2										2						262	5	52	28	14	443
Hispanic	0										0						162	2	38	39	21	439
Caucasian/White	83	6	7	49	59	18	22	10	12	445	79	8	61	23	9	445	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	13	0	0	5	38	6	46	2	15	437	13	0	38	46	15	437	2370	2	32	41	25	437
No	75	6	8	46	61	15	20	8	11	446	71	8	63	21	7	447	11621	7	55	30	8	445
Current LEP																						
Yes	1										1						379	1	25	35	39	433
No	87	6	7	51	59	20	23	10	11	445	83	7	60	24	8	445	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	39	2	5	20	51	11	28	6	15	442	37	5	54	30	11	443	5470	3	41	39	18	440
No	49	4	8	31	63	10	20	4	8	447	47	9	64	21	6	447	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	88	6	7	51	58	21	24	10	11	444	84	7	60	25	8	445	13986	6	51	32	11	444
Gender																						
Female	40	3	8	23	58	10	25	4	10	445	38	8	58	26	8	446	6929	6	49	33	12	443
Male	48	3	6	28	58	11	23	6	13	444	46	7	61	24	9	445	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	16	0	0	7	44	5	31	4	25	438	14	0	43	36	21	439	1888	1	32	44	23	437
No	72	6	8	44	61	16	22	6	8	446	70	9	63	23	6	446	12103	7	54	30	9	445
Gifted/talented program																						
Yes	1										1						266	30	65	5	1	457
No	87	5	6	51	59	21	24	10	11	444	83	6	60	25	8	445	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: Old Town School Department
School: Old Town Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	4	37	36	22	439
B. less than one hour	89	6	8	41	58	15	21	9	13	445	89	9	59	22	10	446	74	6	53	31	10	444
C. one to two hours	11	0	0	5	56	3	33	1	11	441	11	0	63	38	0	443	18	7	52	32	8	445
D. more than two hours	0										0						2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	27	5	24	9	43	3	14	4	19	447	24	28	50	17	6	451	24	9	53	28	10	446
B. They match some of what I have learned.	59	0	0	28	61	14	30	4	9	443	61	0	60	31	9	443	49	6	54	31	9	445
C. They match just a little of what I have learned.	13	1	10	6	60	1	10	2	20	446	14	10	60	10	20	446	21	4	47	36	13	442
D. There is no match.	1	0	0	1	100	0	0	0	0	442	1	0	100	0	0	442	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	18	2	14	8	57	1	7	3	21	446	19	14	57	7	21	446	25	9	53	27	10	446
B. good	62	3	6	31	65	11	23	3	6	446	64	6	64	23	6	446	54	6	55	30	9	445
C. fair	19	1	7	4	27	6	40	4	27	439	16	8	33	50	8	443	19	3	43	40	15	441
D. poor	1	0	0	1	100	0	0	0	0	442	1	0	100	0	0	442	3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	27	2	10	7	35	5	25	6	30	440	28	10	35	25	30	440	22	5	45	35	15	442
B. about the same as my regular schoolwork	63	3	6	30	64	13	28	1	2	447	63	7	64	29	0	447	62	7	53	31	9	445
C. easier than my regular schoolwork	11	1	13	5	63	0	0	2	25	447	8	17	83	0	0	456	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	9	0	0	1	14	4	57	2	29	432	8	0	17	67	17	435	24	7	48	33	12	444
B. a few times a week	74	6	11	33	58	13	23	5	9	447	75	11	58	24	7	447	53	7	54	31	9	445
C. once a week	4	0	0	2	67	0	0	1	33	441	4	0	67	0	33	441	9	6	46	33	15	442
D. a few times a month	13	0	0	7	70	1	10	2	20	441	12	0	78	11	11	442	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	62	4	8	32	67	9	19	3	6	448	64	9	66	19	6	447	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	12	1	11	3	33	3	33	2	22	440	11	13	38	38	13	443	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	22	1	6	8	47	6	35	2	12	441	23	6	47	35	12	441	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	5	0	0	1	25	0	0	3	75	433	3	0	50	0	50	439	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											